

2006 Engineering Conference Breakout Sessions For Period 9 (Wednesday, November 15, 2006, 10:00-10:50 A.M.)

8. UDOT and SAFETEA-LU

Track: Environmental

Presenters: Shane Marshall, UDOT and Greg Punske, FHWA

Synopsis: This section will cover how UDOT and FHWA Utah Division are implementing the new provisions of SAFETEA-LU. The section will focus on defining and explaining just what Section 6002 (Efficient Environmental Review) means to UDOT. Other sections of SAFETEA-LU that will be covered are Section 6004 (CE Delegation) and Section 6009 (De Minimis and Clarification of "prudent and feasible").

Time Required: 50 minutes

24. GIS/GPS Network Deployment

Track: Design

Presenters:

Synopsis: Real-Time Kinematic (RTK) is an emerging technology that will substantially increase the amount of data that can be collected in a survey by reducing the need to setup a base station. This session will present this technology.

Time Required: 50 Minutes

33. Managing Traffic Demand: A European Perspective

Track: Traffic

Presenters: Bob Hull

Synopsis: Managing the demand for automobile use is becoming an increasingly important strategy to address the negative consequences of traffic congestion. This presentation covers a scanning study completed on programs and policies to manage travel demand in Italy, Germany, the Netherlands, Sweden, and England.

Time Required: 50 minutes

43. Assessing the Economic Impacts of Transportation Improvement Projects

Track: System Planning/Programming

Presenters: Grant G. Schultz, Ph.D., P.E., PTOE & Andrew Stewart, EIT

Synopsis: To maintain an efficient transportation system and provide the infrastructure necessary for economic development and growth, transportation funding must be used efficiently to provide for the needs of the system. Primarily when considering the increase of capacity on the transportation network, funding availability oftentimes places constraints on the extent of the capacity that can be increased. To allocate necessary resources to the transportation system, most government agencies establish priorities for funding consideration. There is a need to assess the economic development impacts of transportation improvement projects and to investigate evaluation criteria and tools to incorporate economic development in the transportation planning process. The purpose of this presentation is to report the results of a research project to assess the economic development impacts of transportation improvement projects and to evaluate the tools available for incorporating possible economic evaluation metrics into the transportation planning process in the state of Utah. The results of the research can be incorporated into the long-range planning process as another tool in the toolbox to evaluate economic development impacts of transportation and to provide direction and guidance on the prioritization of projects based on economic performance and analysis using economics as one of the available selection metrics.

Time Required: 50 minutes

55. The New Inspector Training Manual and Partnering

Track: Construction

Presenters: Mike Garcia and the RCE's

Synopsis: This session will discuss the evolution of UDOT's new Inspector Training Manual and intended purpose. The second part of this session will provide an update on the partnering training process as we enter the phase II training as well as discussing the input process for the online rating and the overall health of partnering on UDOT projects.

Time Required: 50 minutes

66. CEVP

Track: Project Management

Presenters: Fred Doehring

Synopsis: Over the past year there has been increasing interest in CEVP (Cost Estimate Validation Process). CEVP is a risk-based analysis of a project's estimate and schedule. For this year's conference, I thought it might be useful to give a fairly detailed description of the CEVP process. I'll cover what information is needed as input, what the format of the CEVP workshop looks like, who should be involved in the workshop, what actually happens in behind the scenes, and what information will come out of the workshop. 50 minutes is not much time to cover this much information, so this will be a whirlwind tour of CEVP. Hang on!

Time Required: 50 minutes

69. Design Exception/Design Waiver/Deviation from UDOT Standards

Track: Project Management

Presenters: Barry Axelrod

Synopsis: This session repeats information presented in other forums by the UDOT Standards and Specifications Section. The Design Exception/Design Waiver/Deviation process has now been in effect since June 2006. The session covers basic instructions in completing the required form. Areas dealing with Design Exceptions and Design Waivers will briefly be touched on to highlight any problem areas and changes implemented with this process. The area of Deviation from UDOT Standards will be covered in detail to explain that part of the process, use of the three levels of Special Provisions, and problem areas related to the use of Supplemental Specifications and Special Provisions. If you have not attended one of our earlier sessions and are involved in project design or want a refresher this session is for you.

Time Required: 50 minutes

78. Asset Management for UDOT's real property/surplus property

Track: Miscellaneous

Presenters: Craig Fox

Synopsis: from a ROW perspective. How we track our properties (Leased, excess, water rights) in row epm

Time Required: 50 minutes (Internet Access)